

Figure : After deposition of gapfilling polymer and CMP

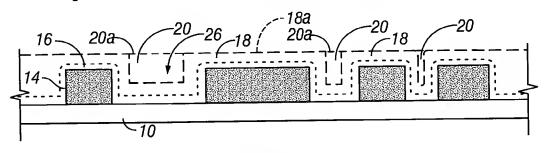


FIG. 2B



2/34

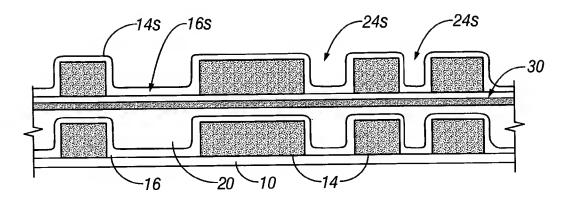
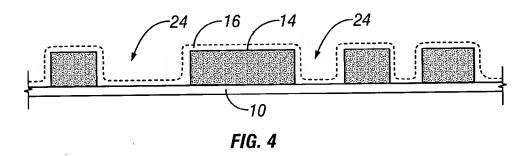


FIG. 3



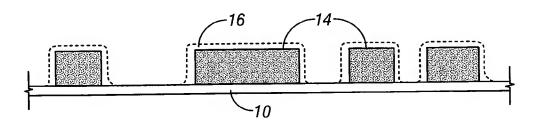


FIG. 5





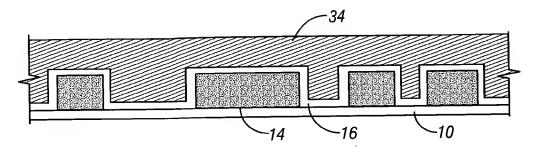


FIG. 6

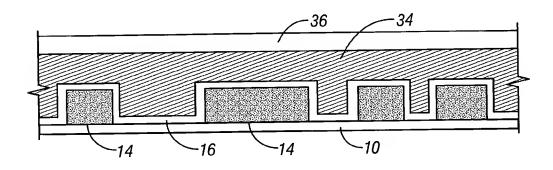


FIG. 7

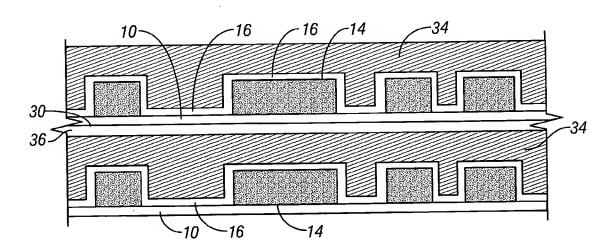
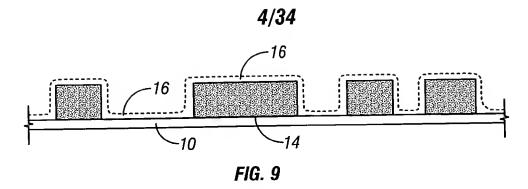


FIG. 8





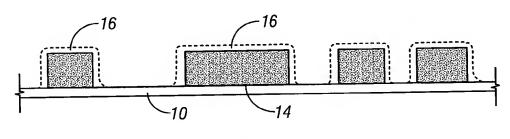


FIG. 10

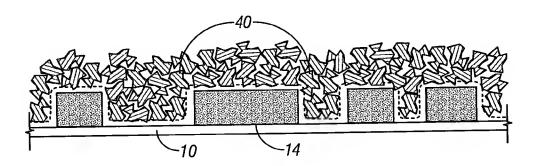


FIG. 11

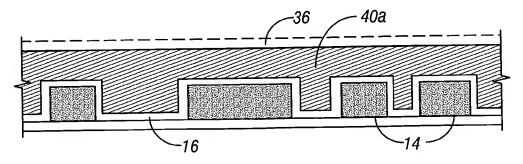


FIG. 12





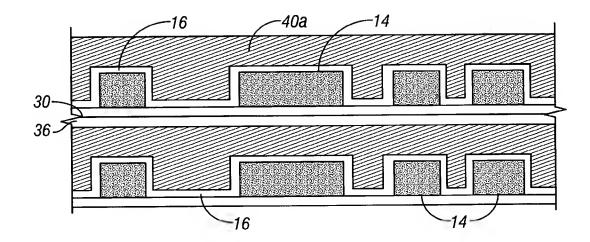
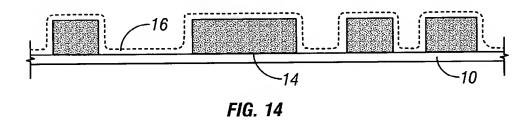


FIG. 13



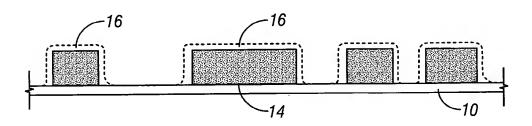


FIG. 15



6/34

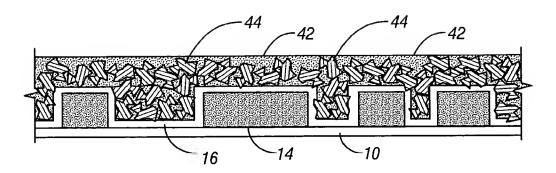


FIG.16

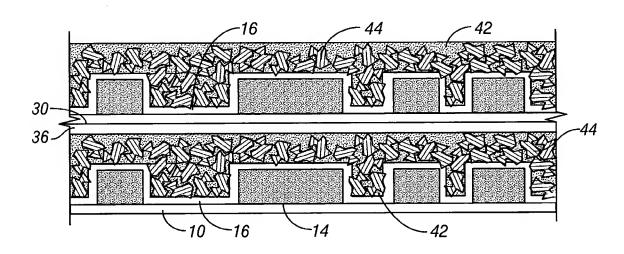
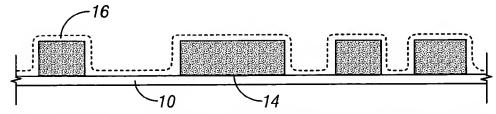


FIG. 17

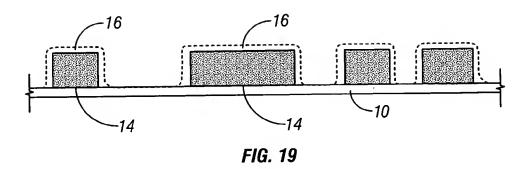


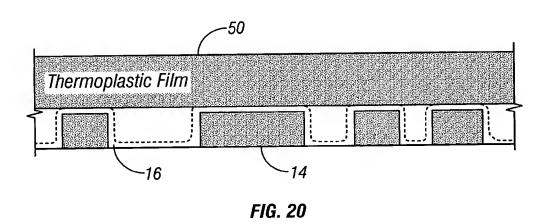
b) or Masking can be used to make polymer layer discontinuous from conductor to conductor.

FIG. 18



7/34





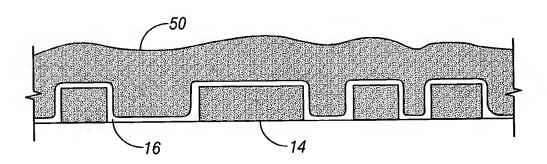


FIG. 21



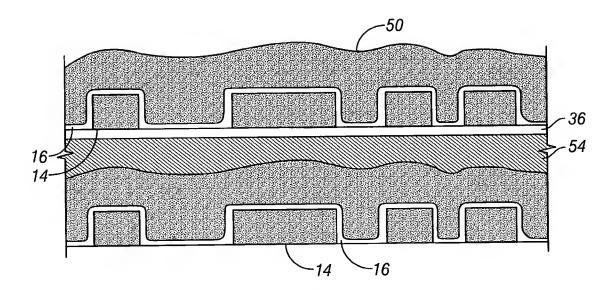


FIG. 22

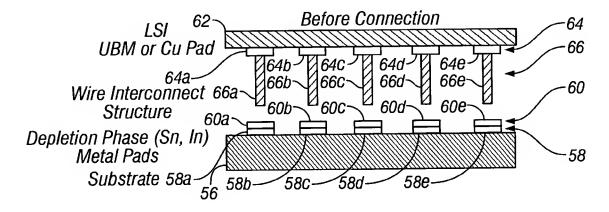


FIG. 23





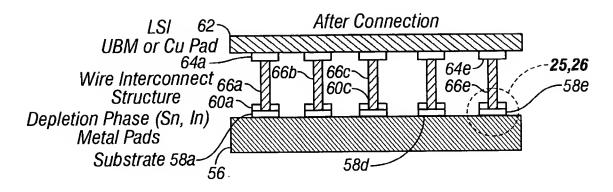


FIG. 24

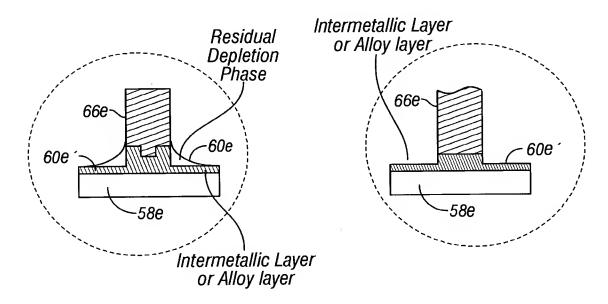


FIG. 25

FIG. 26



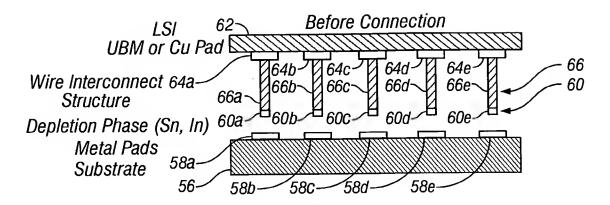


FIG. 27

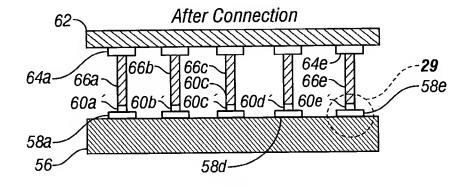


FIG. 28

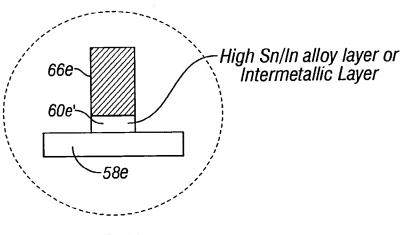


FIG. 29



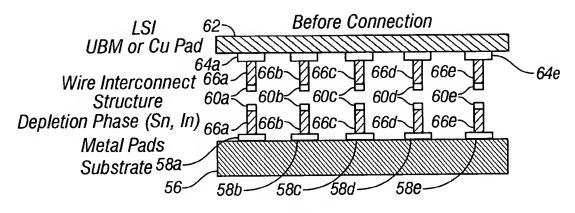
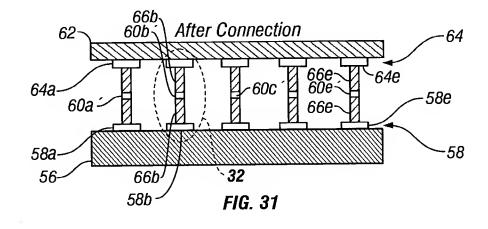


FIG. 30



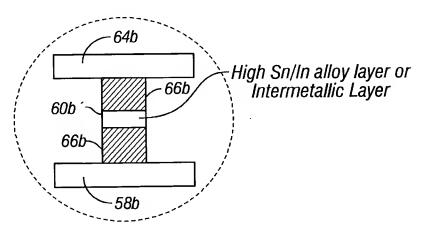


FIG. 32



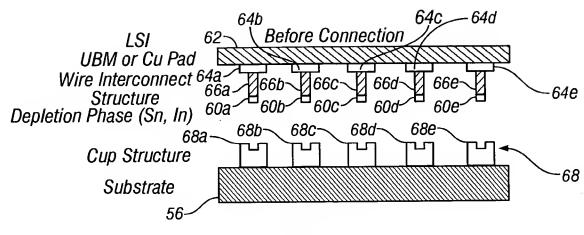


FIG. 33

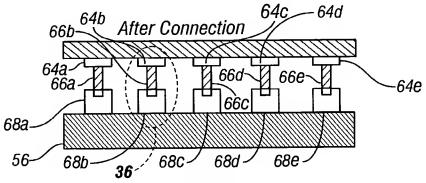
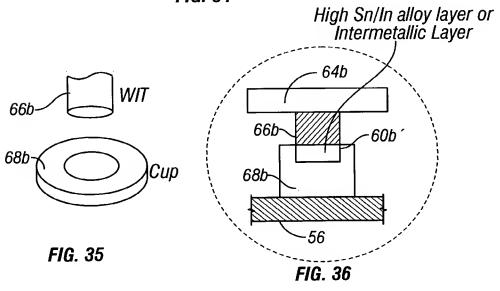
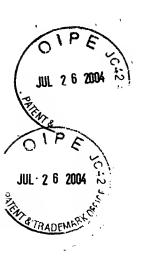


FIG. 34





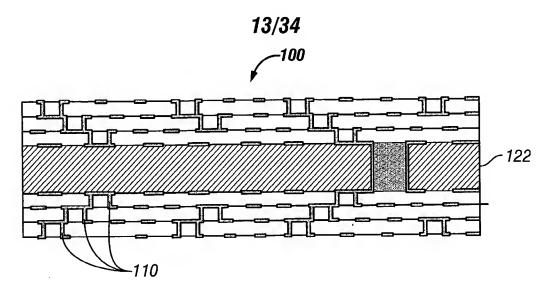


FIG. 37

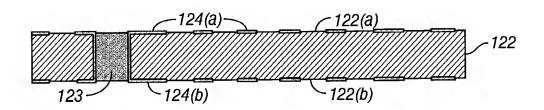


FIG.38

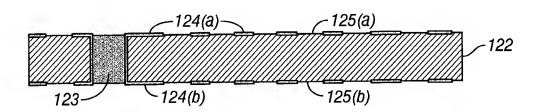


FIG. 39



14/34

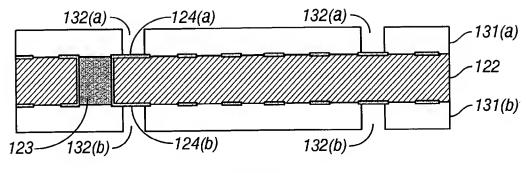


FIG. 40

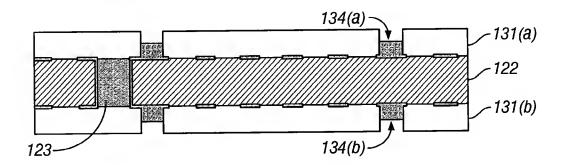


FIG. 41

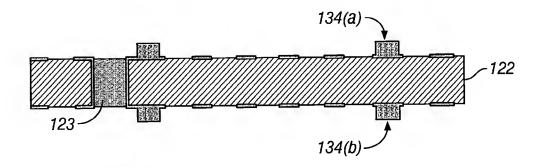
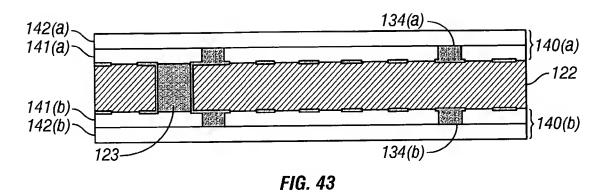


FIG. 42



*15/34* 



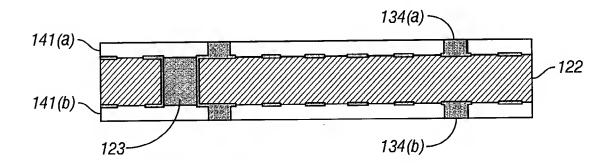


FIG. 44

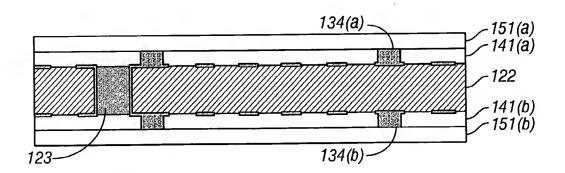
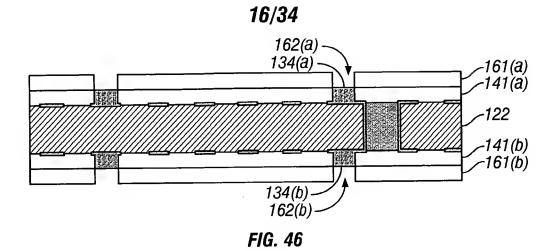


FIG. 45





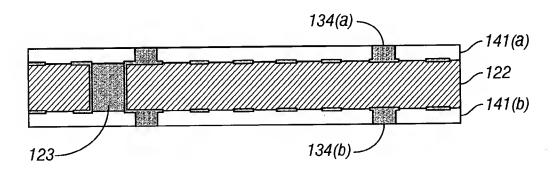


FIG. 47

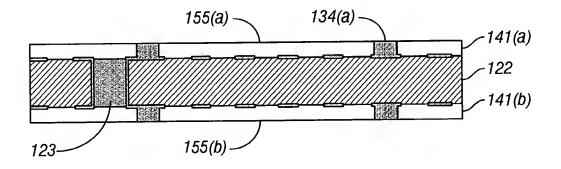


FIG. 48



17/34

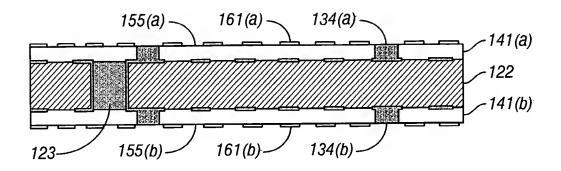


FIG. 49

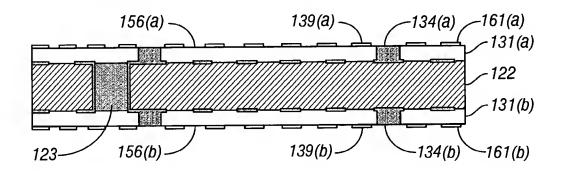


FIG. 50

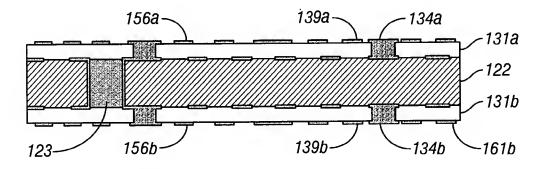


FIG. 51

18/34

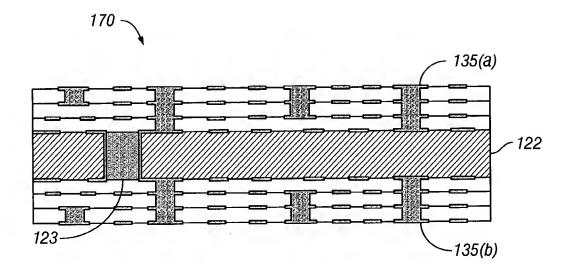


FIG. 52

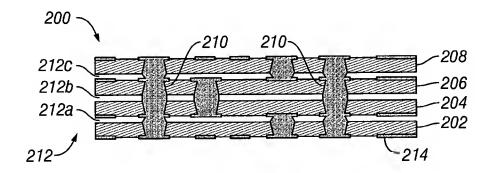
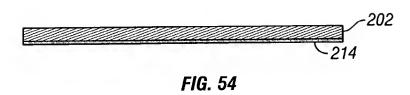


FIG. 53





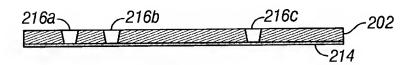


FIG. 55



FIG. 56

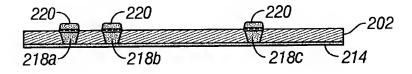


FIG. 57A



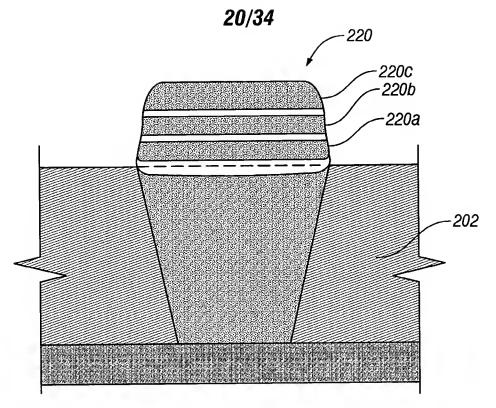


FIG. 57B

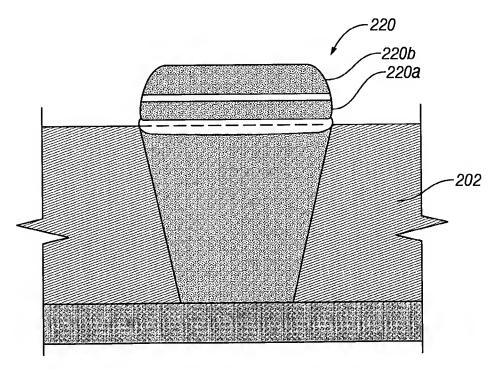
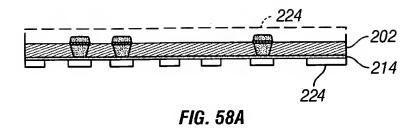
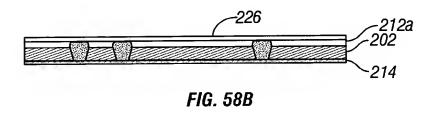


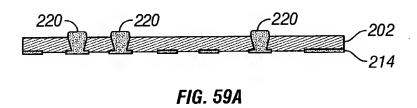
FIG. 57C



21/34







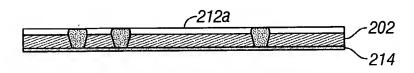


FIG. 59B



22/34

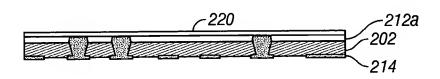


FIG. 60A

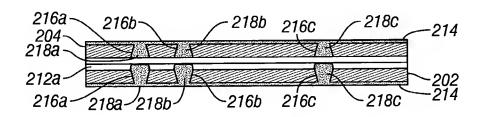


FIG. 60B

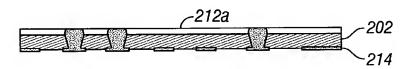


FIG. 61A

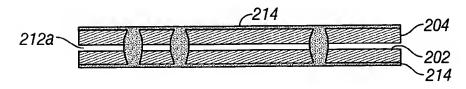


FIG. 61B



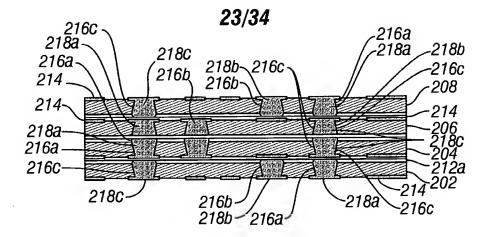


FIG.62A

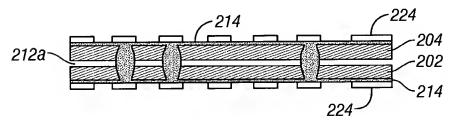
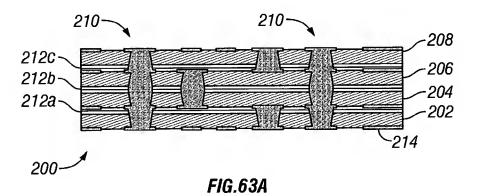
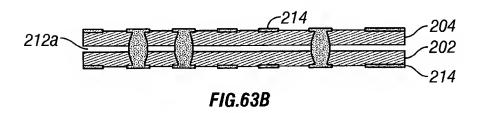


FIG.62B







24/34

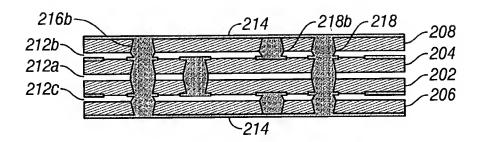


FIG.64B

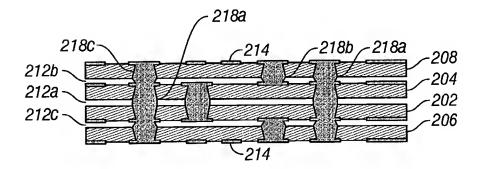


FIG.65B



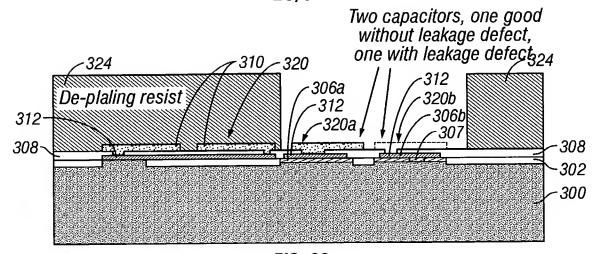


FIG. 66

Two capacitors, one good without leakage defect, one with leakage defect.

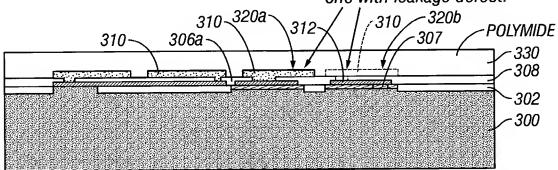


FIG. 67

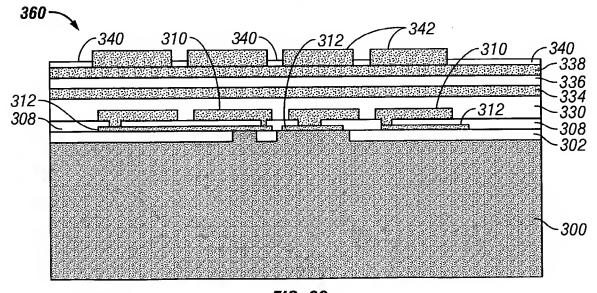


FIG. 68



26/34

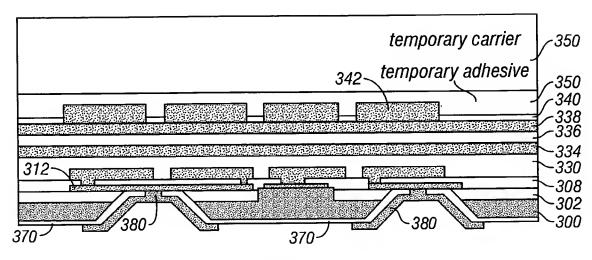


FIG. 69

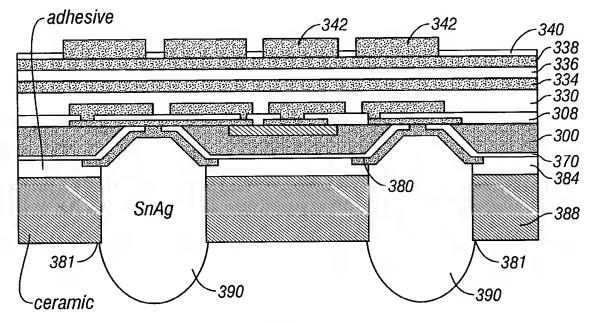


FIG. 70



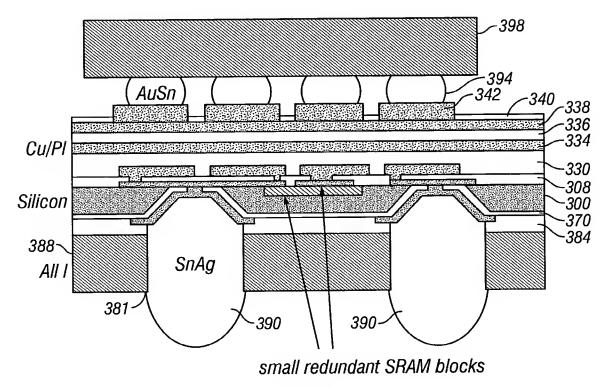


FIG. 71



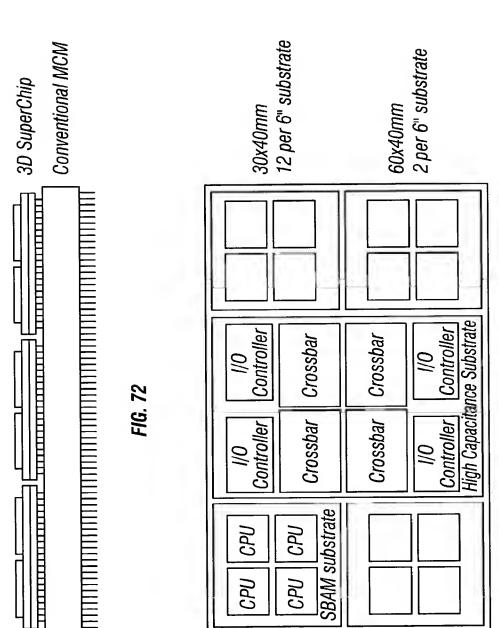


FIG. 73

*29/34* 

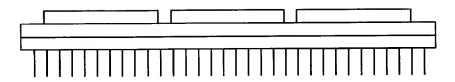


FIG. 74

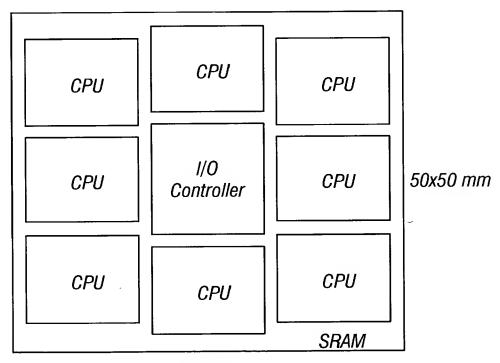
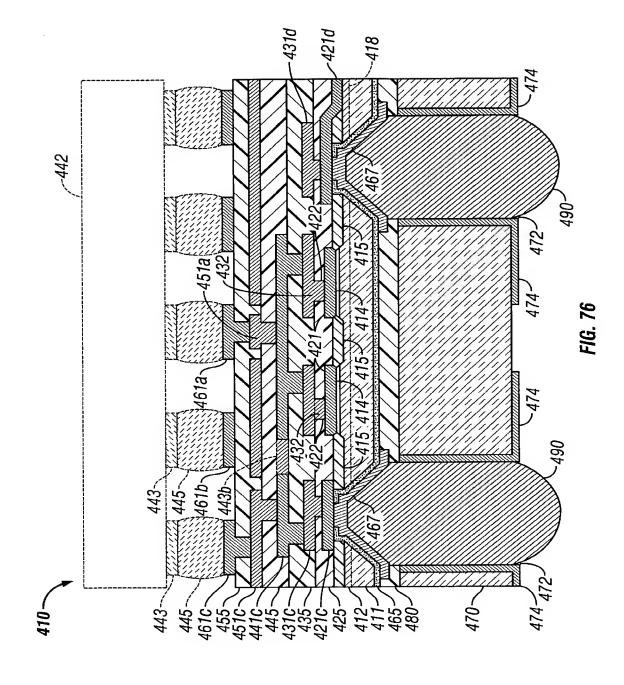


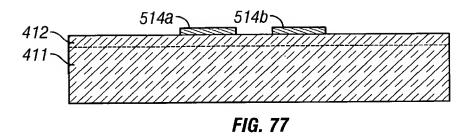
FIG. 75

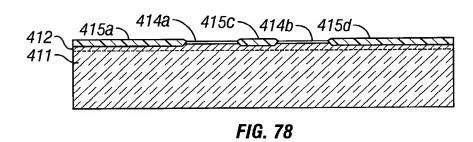


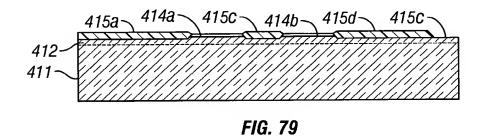
*30/34* 











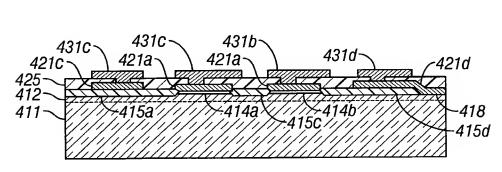
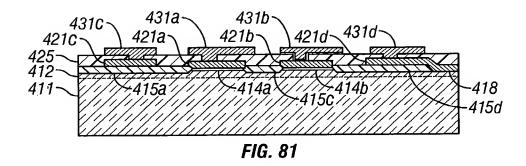
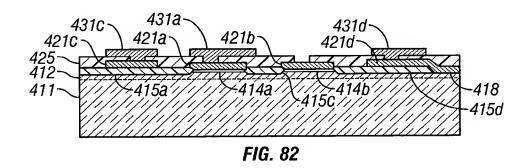


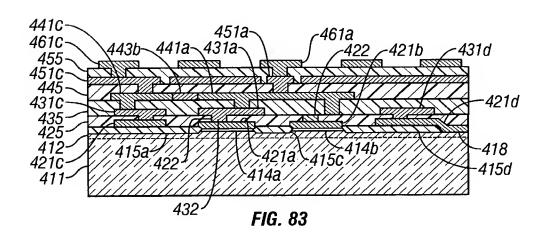
FIG. 80



32/34

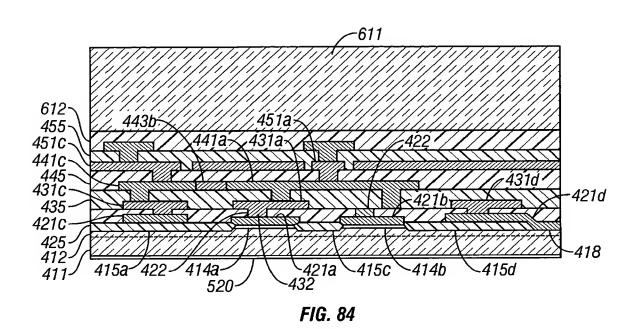


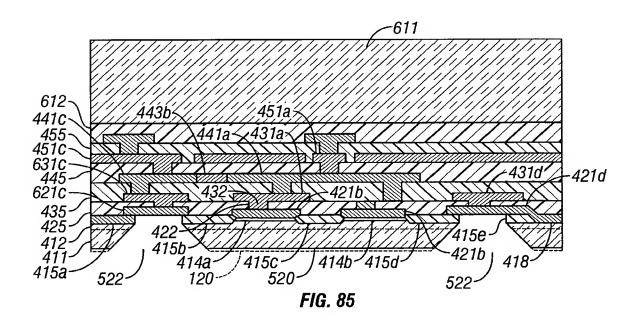






33/34







34/34

